AAKASH JHAWAR

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EDUCATIONAL QUALIFICATIONS

Year	Degree	Institute/School	CGPA / %
2016-2020	B. Tech (Electronics & Communication Engineering)	The LNM Institute of Information Technology, Jaipur	7.49
2016	Senior Secondary (XII)	Eden International School, Bhilwara	84.8%
2014	Secondary (X)	St. Anselm's Sr. Sec. School, Bhilwara	8.8

WORK EXPERIENCE

Machine Learning Intern - IDfy, Mumbai   (*May'19–July'19*)
IDfy builds products for person identification, authentication and fraud detection
- Developed in-house OCR using Transfer Learning and increased revenue of the product by 70%
- Built Aadhaar Number Masking Service with an accuracy of 98.76% and a TAT of 1.04 sec
- Implemented RabbitMQ message queues, created and maintained Docker containers on GCP clusters
- Won the first prize in a 36hours internal Hackathon

Web Developer Intern - IDfy, Mumbai   (*May'18–July'18*)
- Increased email deliverability rate by implementing Gmail API
- Revamped usage of Google Maps Static API in web app and reduced cost
- Implemented and integrated MailCatcher to test sending email

KEY PROJECTS

Face Recognition   (*Mar'19-Apr'19*)
Technologies Used: Python, OpenCV, Keras, Tensorflow
- Extracted face embeddings for each face in the dataset using pre-trained OpenFace model
- Trained a Neural Network on the face embeddings to recognize faces with an accuracy of 90%

Fotoxo – A Photo Storing App   (*Feb'19-Mar'19*)
Technologies Used: Ruby on Rails, JQuery, PostgreSQL, AWS S3, Sendgrid, Stripe
- Implemented Sendgrid for sending account verification emails
- Used Stripe for receiving card payments from users and AWS S3 Bucket for storing images in production

Hand Gesture Recognition   (*Feb'19-Mar'19*)
Technologies Used: Python, OpenCV
- Extracted and segmented hand region from live video by thresholding
- Count the number of fingers from the segmented hand region by using Convex Hull

Sudoku Solver using OpenCV   (*Nov'18-Dec'18*)
Technologies Used: Python, OpenCV, Keras, Tensorflow
- Extracted sudoku from an image by cropping and warping the largest contour detected in the image
- Trained a Neural Network over 60,000 images to identify each digit and store it in a 2D matrix
- Final solution of sudoku is calculated using Backtracking Algorithm

POSITIONS OF RESPONSIBILITY

Lead Graphic Designer – TEDxLNMIIT   (*Oct'17-Jan'18*)
- Led a team of designers to design layouts and graphics for the events and social media platform

Organizing Committee – Desportivos'18   (*Aug'17-Jan'18*)
Desportivos is Annual Sports Fest of LNMIIT
- Responsible for the setup and execution of social media events and managed the social media account
- Led a team of graphic designers to design posters and graphics for the fest

COURSES

Machine Learning A-Z (Udemy), Deep Learning A-Z (Udemy), CNN for Visual Recognition (CS231n Stanford), Machine Learning (Andrew Ng), Deep Learning Specialisation (Andrew Ng), RoR Developer Course (Udemy), React (Udemy)

SKILLS

- **Programming Skills:** Python, Golang, Ruby, C, MATLAB
- **Other Skills:** Docker, RabbitMQ, OMNeT++, Git, Heroku, Adobe Illustrator

LINKS

- **LinkedIn:** linkedin.com/in/aakashjhawar
- **GitHub:** github.com/aakashjhawar
- **Github Page:** aakashjhawar.github.io
- **Medium Blogs:** medium.com/@aakashjhawar